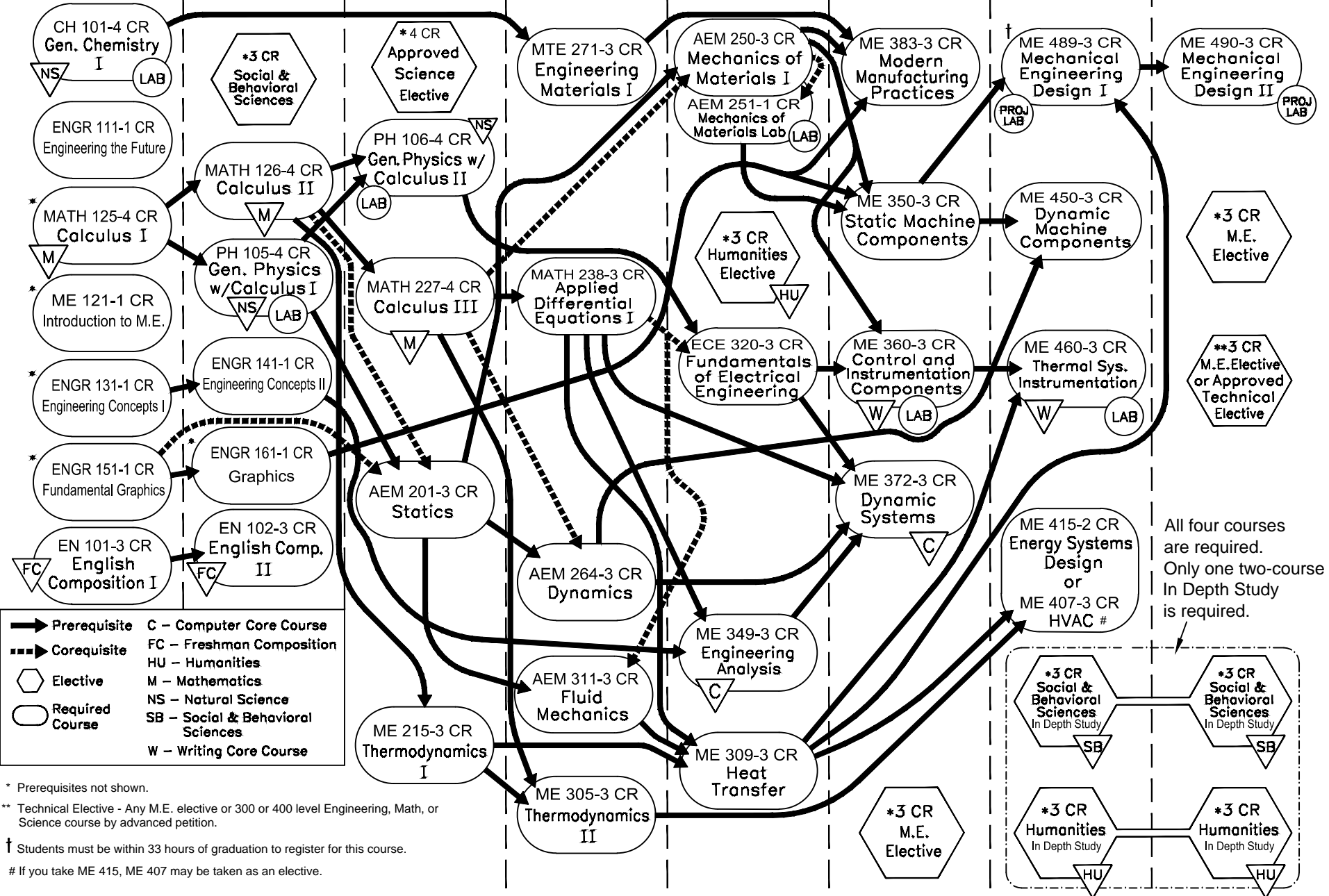


Student Name _____

Student No. _____

THE UNIVERSITY OF ALABAMA
 CURRICULUM FOR MECHANICAL ENGINEERING
 128 SEMESTER HOURS FALL 2010

Freshman I-15 CR Freshman II-16 CR ³¹ Sophomore I-18 CR Sophomore II-15 CR ⁶⁴ Junior I-16 CR Junior II-15 CR ⁹⁵ Senior I-18 CR Senior II-15 CR ¹²⁸



- Prerequisite
- Corequisite
- ⬡ Elective
- Required Course
- C – Computer Core Course
- FC – Freshman Composition
- HU – Humanities
- M – Mathematics
- NS – Natural Science
- SB – Social & Behavioral Sciences
- W – Writing Core Course

* Prerequisites not shown.
 ** Technical Elective - Any M.E. elective or 300 or 400 level Engineering, Math, or Science course by advanced petition.
 † Students must be within 33 hours of graduation to register for this course.
 # If you take ME 415, ME 407 may be taken as an elective.

POLICY ON ME ELECTIVES

Each student may select any two ME electives to satisfy the requirements of ME elective courses. The technical elective requirement may be satisfied with an additional ME elective or a 300-400 level engineering, math, or science course by prior petition.

POLICY ON HUMANITIES AND SOCIAL SCIENCE ELECTIVES

Students must satisfy College of Engineering Core curriculum requirements. These include 9 semester hours of humanities (HU), literature (L), and arts (FA) courses. Nine semester hours are also required in history (HI) and social and behavioral sciences (SB). Six of these 18 semester hours must be from a single discipline ([Depth Study](#)). There is no mandatory requirement of literature or fine arts in mechanical engineering.

ENGINEERING REGISTRATION AS A PROFESSIONAL ENGINEER

Engineering is a profession requiring state registration to become a "Professional Engineer." The first step towards becoming registered is passing the Fundamentals of Engineering Exam. Students are strongly encouraged to pass the Fundamentals of Engineering Exam before they graduate.

APPROVED MATH/SCIENCE ELECTIVE COURSES

Science Electives	Prerequisites
AY 101 and 102	None required
AY 203 and 204	None required
BSC 108	None required
BSC 114 and 115	None required
BSC 118	Co-Req CH 101 or CH 117
CH 102	CH 101
CH 118	CH 117
GEO 101	None required
GEO 102	None required
GEO 105	None required
GY 101	None required
GY 102	None required
PH 253 and 255	PH 106

MECHANICAL ENGINEERING ELECTIVE COURSES

ME Electives	Prerequisites
ME 308	ME 305
ME 313	ME 215, AEM 311
ME 321	CS 114, IE 203
ME 364	AEM 264
ME 377	MATH 238, PH 106
ME 406	ME 305
ME 407	ME 305 and ME 309
ME 409	Either ME 309, AEM 311, ME 349 Or CHE 253, CHE 306
ME 411	Either ME 309, AEM 311 ME 349 Or MTE 353
ME 416	ME 305, ME 309, & Either ECE 320 or ECE 225
ME 417	ME 407 or ME 416
ME 418	ME 305
ME 420	GES 257
ME 421	GES 255
ME 425	GES 255
ME 426	GES 257 or GES 400
ME 441	MATH 238, PH 106, & Either AEM 201 or AEM 361
ME 464	GES 257, IE 203
ME 465	ME 372
ME 466	IE 364, IE 321
ME 469	GES 255 or GES 500
ME 470	ME 372, AEM 250
ME 471	MATH 238, PH 106, & Either ECE 320 or ECE 225
ME 475	ME 372, ME 349
ME 476	ME 372, ME 475
ME 484	Either ME 350, CE 330, AEM 341 Or Graduate Standing
ME 485	GES 132, ME 349, ME 372, AEM 250

MECHANICAL ENGINEERING APPROVED TECHNICAL ELECTIVES

College of Engineering	College of Arts & Sciences
AEM 313, 314, 341, 420, 454, 469, 480	Astronomy (AY) 401, 421, 433
CE 331, 425	Biological Sciences (BSC) 300, 310, 311
ECE 326, 340, 350, 370, 380	Chemistry (CH) 231, 232
GES 400, 411, 451	Math 237, 301, 307, 343, 355, 428, 485
All ME elective courses (one course cannot serve as both an ME and a technical elective)	Physics (PH) 333, 471
MTE 412, 439, 455, 487	